National University of Computer and Emerging Sciences

PF Final Project Report

HOSPITAL MANAGEMENT SYSTEM

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Introduction:

We are here to provide user friendly application for Hospital which reduces the burden and helps to manage their records of doctors and patient management and diseases etc., which improve the processing efficiency.

A Simple C Program For Hospital Management System creates an text file and ms.excel file to store the data permanently. Talking about the features of this Hospital Management System in C, the user can perform the options to it. Like, add patient/doctor details by entering his/her ID, name, last name, disease name, phone number, age, doctor, etc. The user can also view all the available patient records. Such as details and search a patient/doctor by its ID. Besides, the user can edit information as well as remove a patient's/doctor's whole data by its only ID.

Background:

The records of patients in hospitals have over time been run down due to large numbers of patients, this led to poor record keeping since it a paper based system. For this reason we managed Hospital management system is a computerized system designed and programmed to deal with many patient record and store data permanently. The program can look after doctors, patients, and disease and this program is very helpful for the hospital management system. Furthermore, by providing a way for efficient record keeping in addition to a method to swiftly deal with common cases like flu, fever and common cold, the patient admitting system has been made much more efficient to ensure that attention is given as quickly as possible to those who need it the most.

Project Specification:

This code has 8 main functions:-

1-add doctor(which allow to store new doctors details).

2-add patient(which allow to store new patients details).

3-display all record(which print all the details of existing doctors and patients separately)

4-modify(which allow us to make changes in the existing record)

5-delete records(which allow us to delete records of patients and doctors which were discharged).

6-smart find(which allow us to find details of any particular details of doctor and patients just on;uy by input their unique id)

7-ALL THE DATA INPUT IS DIRECTLY STORED INTO TEXT FILES AND EXCEL FILES .

8-LOGIN ID AND PASSOWARD IS REQUIRED TO ACCESS THE CODE.

Results:

The overall result of our project was that this code can be used as a basis for programmers to develop systems that have a similar aim.

LIBRARIES:

#include<stdio.h>:

The stdio. h header file allows us to perform input and output operations in C. The functions like **printf() and scanf()** are used to display output and take input from a user, respectively. This library allows us to communicate with users easily

#include<windows.h>

contains declarations for all of the functions in the Windows API, all the common macros used by Windows programmers, and all the data types used by the various functions and subsystems

#include<conio.h>

It reads character from the keyboard. reads character from keyboard and echoes to o/p screen. used to change the text color.

#include<string.h>

h is the header in the C standard library for the C programming language which **contains macro definitions, constants and declarations of functions and types used not only for string handling but also various memory handling functions**; the name is thus something of a misnomer. Functions declared in string.

#include<stdlib.h>

h is the header of the general purpose standard library of C programming language which includes functions involving **memory allocation, process control, conversions and others**.

Project breakdown:

int opd();	**Sohaib**
int symptoms()	**Sohaib**
void welcomepage();	**Basil**
void adddoc();	**Sohaib**
void addpatient();	**Sohaib**
void search_doc();	**Basil**
void search_pat();	**Basil**
char mainpage ();	**Sohaib**
void displayp();	**Hassan**
void displayd();	**Hassan**
void deleted();	**Hassan**
void deletep();	**Hassan**
void modify_doc();	**Basil**
void gotodoc();	**Basil**
void gotopat():	**Basil**

FLOW CHART:

Start

HASSAN

k224348 Muhammad Hassan Khan | December 8, 2022

INPUT ID AND PASSOWARD

IF CORRECT

YES

DOCTOR PATEINT AND OPD

IF DOCTOR — No → IF PATIENT — No → OPD

YES   Yes   Yes

ADD MODIFY SEARCH DELETE DISPLAY RECORD

ADD MODIFY SEARCH DELETE DISPLAY RECORD

PRESCRIBTION FROM DOCTOR

No

DISPLAY RECORD

DISPLAY RECORD

DISPLAY PRESCRIBTION

END